| Electronic Ack | knowledgement Receipt | | | |
|--------------------------------------|--------------------------------------|--|--|--|
| EFS ID: | 7400506 | | | |
| Application Number: | 10516327 | | | |
| International Application Number: | | | | |
| Confirmation Number: | 8651 | | | |
| Title of invention: | Wireless local area network repeater | | | |
| First Named Inventor/Applicant Name: | James A. Proctor | | | |
| Customer Number: | 23696 | | | |
| Filer: | Linda G. Gunderson/SHAE PENTURF | | | |
| Filer Authorized By: | Linda G. Gunderson | | | |
| Attorney Docket Number: | 080583 | | | |
| Receipt Date: | 12-APR-2010 | | | |
| Filing Date: | 14-DEC-2004 | | | |
| Time Stamp: | 22:01:09 | | | |
| Application Type: | U.S. National Stage under 35 USC 371 | | | |

Payment information:

| Submitted with Payment | yes |
|--|-----------------|
| Payment Type | Deposit Account |
| Payment was successfully received in RAM | \$180 |
| RAM confirmation Number | 6397 |
| Deposit Account | 170026 |
| Authorized User | |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

| Document Number | Document Description | File Name | File Size(Bytes)/ Message Digest | Multi Part /.zip | Pages (if appl.) |
|---------------------------|--|-----------------------|---|---------------------|---------------------|
| 1 | 1 Foreign Reference | EP0523687.pdf | 720512 | no | 22 |
| | | | e407a77633b09bb66bc2d16965S333b403f e6e31 | | |
| Warnings: | | | | | |
| Information: | 1 | | | | |
| 2 | nformation Disclosure Statement (IDS) Filed (SB/08) | 080583_IDS_SIGNED.pdf | 14588057 | no | 13 |
| | | | ae9dc957aab7d7c25587808679bb57d2e85 88a1c | | |
| Warnings: Information: | | | | | |
| | TOTO | | | | |
| i i iis is riot an Us | SPTO supplied IDS fillable form | | | | - |
| 3 | Foreign Reference | EP0860953.pdf | 119256 | no | 4 |
| | | | olcli4d1oc1ed474590700ec5747b9dcde5d 8858 | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 4 | Foreign Reference | GB2272599.pdf | 580330 | no | 16 |
| | Foreign Reference | | 6a515a3bb8c4db58982abb09780c71fc1cf 6e0bb | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 5 | Foreign Reference | JP07-079187.pdf | 96089 | o | 1 |
| , | roleigitkelelelice | | 205b7eebc593dd38ada4c6921e1a2f88962 b2ae9 | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 6 | Facility Defended | ID00 007762 - 46 | 83258 | no | 1 |
| • | Foreign Reference | JP08-097762.pdf | 06257ae141fee55559ccc421fe2cca77d49a c27c | | |
| Warnings: | | | | | |
| Information: | | | | | |
| | Faraian Reference | ID00 162002 m.df | 81183 | | - |
| 7 | Foreign Reference | JP09-162903.pdf | 0a0ed0a487e029d021564445edcc19x0192f 3860 | no | 1 |
| Warnings: | <u>'</u> | | · | | |
| Information: | | | | | |
| 8 | Foreign Reference | WO02008857.pdf | 1445049 | no | 32 |
| | | | 32d4a/Sb6308768495746cd2c5cbxfl2fbc71 3888 | | |
| | | | | | |

| 9 Foreign Reference | Foreign Reference | WO02017572.pdf | 821086 | no | 21 |
|----------------------|-------------------|--|--|----|-----|
| | | 446-043316-296299-016886668366534387 ftd12 | 110 | 21 | |
| Warnings: | | | | | |
| Information: | | | | | |
| 10 Foreign Ref | Foreign Reference | WO04002014.pdf | 1258819 | no | 36 |
| 4 | | | b3745b65a0689dc53517d4b9cab2387073 b0286f | | |
| Warnings: | | | | | |
| Information: | | | - | | |
| 11 Foreign Reference | Foreign Reference | WO04062305.pdf | 1992867 | no | 54 |
| | | | a51c66353a1b45c9d4a88c79d5b16e31002 52342 | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 12 | NPL Documents | On_the_spectral_efficiency_of | 684885 | no | 12 |
| | | _CPM_Systems.pdf | 2be17186b3c9b686c22600143256991c786d Zone | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 13 | NPL Documents | Federal_Communications_Com | 53682 | no | 4 |
| | 13 WE Documents | mission_15_407.pdf | 1255d6880915a22c40cdf0934c0868847f74 11f1 | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 14 | NPL Documents | 080586CN_First_Office_Action _200380101286_2pdf | 2803013 | no | 10 |
| | | | b4a948d535Sb7a1e6e1f55447cb9c761c56 cd07a | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 15 | NPL Documents | 080586CN_Second_Office_Acti on_200380101286_2.pdf | 287203 | no | 5 |
| | | | 95b68f6572127f30c54483f9e72c38ce5b19 aa96 | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 16 | NPL Documents | 080586CN_Third_Office_Action _200380101286_2.pdf | 441023 | no | 8 |
| 16 NEL Documents | | | 2a6500314298a/f19e458aadd80896e510 ef03 | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 17 | NPL Documents | IEEE_802_16_2001.pdf | 9135335 | no | 349 |
| | | | 62cfee1daabc336bdedda0bf74238cbb597 e8119 | | |
| | | | | | |
| Warnings: | | | | | |

| 18 | NPL Documents | IEEE_P802_16_REVd_D5_May_ 2004.pdf | 4154335 | no | 915 |
|--------------|----------------|--|---|-----|-----|
| | | 2004.pui | 6cbbs6079fc2x92e91bc469e3c3028920sb 309x4 | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 19 | NPL Documents | IEEE_P802_16e_D12_October_ 2005.pdf | 2016318 | no | 684 |
| | | cd96296 | cd9b296dd7fas01c795844e093236c1e3c9 add6e | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 20 | NPL Documents | IEEE_802_11_2003.pdf | 18523035 | no | 716 |
| | | | 62462:15586068654c25497c9cb166b26e2f 005c | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 21 | NPL Documents | IEEE_802_11b_1999.pdf | 424160 | no | 96 |
| - | | | 520e888x9144d4cef34d8ba39f983f84739d Tacc | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 22 | NPL Documents | IEEE_802_11g_2003.pdf | 3610780 | no | 78 |
| 22 | | 1666_802_11g_2005.pdf | 3370c8951824488ubbb367fs3u890904be7 719bd | | |
| Warnings: | | | | | |
| Information: | | | | | |
| 23 | NPL Documents | 000503140, 2003 11 05 150 - 15 | 54152 | | |
| 23 | | 080583WO_2003-11-06_ISR.pdf | 493db2bb072c2454sc99bb155a37199bda 417e47 | no | 1 |
| Warnings: | | ' | | | |
| Information: | | | | | |
| 24 | NPL Documents | Analysis_of_Adaptive_Wideba | 923664 | no | 12 |
| 24 | NPL Documents | nd_Duplexer.pdf | 22c1d3ccc7s8746025735#0s0c475c2c63b 481e | 110 | |
| Warnings: | | ' | | | |
| Information: | | | | | |
| | NPL Documents | PERFORMANCE_ANALYSIS_OF | 1099815 | | 6 |
| 25 | | _MAC.pdf | 174f106facdb6c1748bfdc627cb4fea6/9294 509 | no | |
| Warnings: | | 1 | | | |
| Information: | | | | | |
| 26 | AIDI De consta | 000500581 04 2005 22 25 15 | 512654 | | |
| | NPL Documents | 080589CN_OA_2006-09-08.pdf | ac9db82364a6005c9d82a12dc8fb/722b42a 10aa5 | no | 8 |
| Warnings: | | 1 | 1 | | |
| | | | | | |

| | | Total Files Size (in bytes) | 913: | 27007 | |
|---------------------------|-------------------------|-----------------------------|--|-------|-----|
| Information: | | | | | |
| Warnings: | | | | | |
| 34 | Fee Worksheet (PTO-875) | fee-info.pdf | 30310 c143700b2511did1ece8e27539d3c28e755 513e | no | 2 |
| Information: | | | т т | | |
| Warnings: | | | | | |
| | NPL Documents | 080604_11_21_06_OA.pdf | e7cb162452ccd9356f1a188d87063170a79 8e035 | no | 33 |
| 33 | AIRI Dogumente | 090604 11 21 06 04 wdf | 332602 | | |
| Warnings: Information: | | | | | |
| 32 | NPL Documents | 080604_11_06_06.pdf | 142427 507/076a613653bfdd3caa2d99100dbc377 d01 | no | 12 |
| Information: | | | 142427 | | |
| Warnings: | | 1 | | | |
| 31 | NPL Documents | 080604_04-17-07_OApdf | odbie9s265617d6853c0a1272dbodbf06s0 e7c9f | no | 12 |
| | | | 1429142 | | |
| Information: | | | | | |
| Warnings: | | | 585925609591060cce9641ade970d6abfc59 fba2 | | |
| 30 | NPL Documents | 080604_01-24-07_OA.pdf | 199432 | no | 15 |
| Information: | | | | | |
| Warnings: | | • | | | |
| 29 | NPL Documents | TTAS_KO_06_0082_R1pdf | datide1:e99b6441369aks8be56831d220 68688 | no | 937 |
| | | | 22178263 | | |
| Information: | | | | | |
| Warnings: | | | 785/786/486/3:13/68994-01/80001/9// c00f | | |
| 28 | NPL Documents | 080590EP_2006-12-19_OA.pdf | 283266 7b77bb748e73c1376c0444c1f7bddcf7977 | no | 6 |
| Information: | | | | | |
| Warnings: | | | | | |
| 27 | Ni E Documents | 080390E1 _2007-08-07_0A.pu1 | 6696819469464c011fcs322d670d65c1732 d87 | 110 | 5 |
| 27 | NPL Documents | 080590EP_2007-08-07_OA.pdf | 221005 | no | |

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-[d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.